## AMENDMENTS TO THE CLAIMS

Please cancel Claims 1 to 28 and substitute Claims 29 to 33 therefor, as follows:

1. to 28. (Canceled)

29. (New) An image forming apparatus comprising:

an image bearing member;

a developer container for containing developer including toner and carrier;

image forming means for forming a toner image on said image bearing member using developer contained in said developer container;

a density sensor for detecting density of the toner image;

control means for controlling an amount of toner for replenishing to said developer container by comparing a detection output of said density sensor with a target value;

execution means for forming a predetermined toner image using said image forming means and executing a detection process of detecting a density of the predetermined toner image using said density sensor before commencement of a normal image formation after an exchange of developer; and

setting means for setting, on the basis of an output obtained by the detection process, an initial target value to be compared with the detection output of said density sensor.

30. (New) An image forming apparatus according to Claim 29, wherein the exchange of developer includes an exchange of a toner replenishment container containing toner for replenishing to said developer container.

31. (New) An image forming apparatus according to Claim 29, wherein said image forming means forms the predetermined toner image under an image forming condition responding to an atmosphere environment.

32. (New) An image forming apparatus according to any one of Claims 29 to 31, further comprising:

a potential sensor for detecting potential of an electrostatic latent image formed on said image bearing member; and

potential control means for controlling potential of the electrostatic latent image in accordance with an output of said potential sensor,

wherein said execution means forms a predetermined electrostatic latent image on said image bearing member and executes a control process of controlling potential of the predetermined electrostatic latent image before executing the detection process after the exchange of developer.

33. (New) An image forming apparatus according to Claim 32, wherein said execution means executes said detection process by using the predetermined electrostatic latent image after executing the control process.